On page 12, please replace the paragraph beginning on line 19 with the following:

Peptide 5 (SEQ ID NO. 5) produced on a Wang resin(0.73 mmol/q, Applied Biosystems, Foster City, USA), using the Fmoc/tert-butyl strategy, as described, for example, by FIELDS et al. in Int. J. Pept. Protein, 1990, 35, 161, and HBTU/Hobt activation (see SCHNÖLZER et al in Int. J. Pept. Protein Res., 1992, 40, 180) using a 431A Applied Biosystem peptide synthesizer (Foster City, USA). Protection of the side chains is provided by: His(Trt), Glu(OtBu), Arg(Pmc), Lys(Boc) (SEQ ID NO. 6). Upon completion of the synthesis, the Fmoc group of the α -NH₂ function of the arginine is displaced in the presence of 20% piperidine in the DMF. The N, N'-tri(Boc) hydrazinoacetic acid 4 (1.2 eq) is then introduced manually using BOP activation in situ (BOP 1.2 eq, DIEA 3.6 eq in the DMF for 20 minutes), as described, for example, by GAIRI et al. in Tetrahedron Letters, 1990, 50, 7363. Alternatively, N,N'-di(Boc)-hydrazinoacetic acid could also be used. The peptidyl-resin is washed successively with DMF, dichloromethane, and then with ether. Ιt is then dried at reduced pressure for 30 minutes.--

On page 16, please replace the header 1) on line 5 with the following:

--1) Synthesis of hydrazinopeptide 19 (which includes VGFFKR) (SEQ ID NO. 2)-

On page 16, please replace the header 2) on line 29 with the following:

--2) Synthesis of <u>lipopeptide 21</u> (which includes KVGFFKR) (SEQ ID NO. 3)-

On page 17, please replace the header 1) on line 3 with the following:

--1) Synthesis of hydrazinopeptide 22 (which includes AKFEVNNPQVQRQAFNELIRVVHQLLPESSLRKRKRSR) (SEQ ID NO. 4).

On page 17, please replace the paragraph beginning on line 4 with the following:

Peptide $\underline{22}$ is prepared on a Fmoc-PAL-PEG-PS resin (0.16 mmol/g, Perseptive) according to the Fmoc/tert-butyl strategy and an HBTU/HOBt activation (see example 2) on a Pioneer-Perseptive peptide synthesizer. Protection for the side chains of the amino acids is as follows: His(Trt), Asn(Trt), Glu(O^tBu), Arg(Pbf), Lys(Boc), Ser(^tBu)(SEQ ID NO. 7). Upon completion of synthesis, the Fmoc group of the α -NH₂ function of the alanine is removed in the presence of piperadine at 20% in the DMF. The N,N'-tri(Boc)hydrazinoacetic acid (1.2 eq.) is then introduced manually using BOP activation in situ (BOP: 1.2 eq., DIEA: 3.6 eq. In the DMF for 20 minutes). The peptidyl-resin is washed successively with DMF, dichloromethane, and then ether. It is then dried at reduced pressure for 30 minutes. Cleavage of the peptide-resin link as well as deprotection of the side chains are carried out in the presence of a

TFA/phenol/ethanedithiol/thioanisole/ H_2O mixture (1 g of dry resin/10 ml of TFA/ 0.25 ml of ethanedithiol/0.25 ml of $H_2O/0.25$ ml of thioanisole/0.75 g of phenol) with stirring for 3h30 at ambient temperature. The peptide is precipitated in 200 ml of an Et_2O /heptane mixture (1/1) previously cooled down to 0°C. The precipitate is centrifuged and then dissolved in an H_2O /AcOH mixture (5/1), deep frozen and freeze dried, 263 mg of raw peptide are obtained from 0.072 mmole of resin.—

Please replace the second paragraph on page 18 starting at line 8 with the following:

--Peptide $\underline{22}$ and lipopeptide $\underline{23}$ were prepared as indicated in example 6. Peptide $\underline{22Sc}$ ("scramble" version of peptide $\underline{22}$) has the following sequence: $H_2N-NH-CH_2CO-$

PSRENQNAVKIQKLSVVLRREQKHRVERLAFRNQSLPF-NH2 (SEQ ID NO. 8).-

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Miconafd R. Svensfon, #30

P.O. Box 747

LRS/KR 1217-0156P Falls Church, VA 22040-0747

(714) 714-8555

Attachments: Paper and CRF Copies of Sequence Listing

Version of the Specification with Markings to Show

Changes Made

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope to: Commissioner of Patents and Trademarks, Washington

D.C. 20231 on: _

(Date of denosit)

BIRCH, (STEWART, KOLASCH, & BIRCH, LLP

Date of Signature)